

ALTERNATIVE TO PTO/SB/08a/b (06-03)

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete If Known</b>	
				Application Number	09/657,336
				Filing Date	September 7, 2000
				First Named Inventor	Dominique P. BRIDON
				Art Unit	Not Yet Assigned 1648
				Examiner Name	Not Yet Assigned PARKEN, J
Sheet	1	of	2	Attorney Docket Number	500862001500

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
J	1.	US-4,652,629	03-24-1987	Patrick et al.	

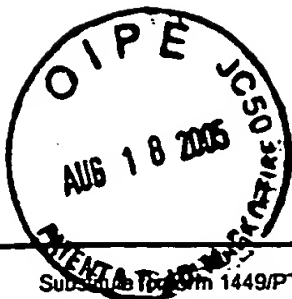
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
J	2.	ARCHAKOV, Alexander I. et al. (2003) "Protein-Protein Interactions as a Target for Drugs in Proteomics," Proteomics, 3: 380-391	
	3.	DAVIES, David R. et al. (Jan. 1996) "Interactions of Protein Antigens with Antibodies," Proc. Natl. Acad. Sci. USA, 93: 7-12	
	4.	JIANG, Shibo et al. (2002) "Peptide and Non-peptide HIV Fusion Inhibitors," Current Pharmaceutical Design, 8: 563-580	
	5.	JONES, Susan et al. (Jan. 1996) "Principles of Protein-Protein Interactions," Proc. Natl. Acad. Sci. USA, 93: 13-20	
	6.	KWONG, Peter D. et al. (Feb. 2000) "Oligomeric Modeling and Electrostatic Analysis of the gp120 Envelope Glycoprotein of Human Immunodeficiency Virus," Journal of Virology, 74(4): 1961-1972	
	7.	KUIKEN, C. et al. ed. HIV Sequence Compendium 2001, Theoretical Biology and Biophysics Group, Los Alamos National Laboratory, 2002: 288-289	
	8.	LAWLESS, Mary K. et al. (1996) "HIV-1 Membrane Fusion Mechanism: Structural Studies of the Interactions between Biologically-Active Peptides from gp41," Biochemistry, 35: 13697-13708	
	9.	SANDERS, Rogier W. et al. (Sep. 2002) "Stabilization of the Soluble, Cleaved, Trimeric Form of the Envelope Glycoprotein Complex of Human Immunodeficiency Virus Type 1," Journal of Virology, 76(17) 8875-8889	

Examiner Signature		Date Considered	03/18/06
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sf-1959636



ALTERNATIVE TO PTO/SB/08a/b (06-03)

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete If Known</b>	
				Application Number	09/657,336
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				First Named Inventor	Dominique P. BRIDON
				Art Unit	<del>Not Yet Assigned</del> 1648
				Examiner Name	<del>Not Yet Assigned</del> PARKIN, J
Sheet	2	of	2	Attorney Docket Number	500862001500

<input checked="" type="checkbox"/>	10.	WANG, Ning et al. (Apr. 1995) "Sequence Diversity of V1 and V2 Domains of gp120 from Human Immunodeficiency Virus Type 1: Lack of Correlation with Viral Phenotype," Journal of Virology, 69(4): 2708-2715	
<input checked="" type="checkbox"/>	11.	YANG, Xinzhen et al. (May 2000) "Modifications that Stabilize Human Immunodeficiency Virus Envelope Glycoprotein Trimers in Solution," Journal of Virology, 74(10): 4746-4754	

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	03/18/06
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sf-1959636



ALTERNATIVE TO PTO/SS-7331b (26-03)

<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/657,336
				Filing Date	September 7, 2000
				First Named Inventor	Dominique P. BRIDON
				Art Unit	1648
				Examiner Name	J. Parkin
Sheet	1	of	1	Attorney Docket Number	500862001500

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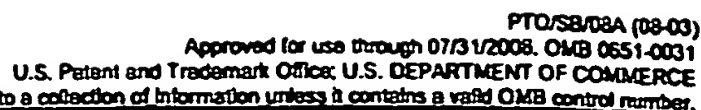
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1.	TOLMAN, R.L. et al. (1993) "Cyclic V3-Loop-Related HIC-1 Conjugate Vaccines: Synthesis, Conformation and Immunological Properties" <i>Int. J. Peptide Protein Res.</i> 41: 455-466	

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature s/-187:855	Date Considered 04/15/05
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<b>Form PTO-1449</b> <b>INFORMATION DISCLOSURE CITATION</b> <b>IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>				Docket Number 500862001500		Application Number 09/657,336	
				Applicant Dominique P. BRIDON et al.			
				Filing Date September 7, 2000		Group Art Unit 1648	
				Mailing Date November 5, 2004			
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
J	1.	9/24/2004	10/950,010	Bridon et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
<b>OTHER DOCUMENTS</b> <i>(including author, title, Date, Pertinent Pages, Etc.)</i>							
Examiner Initials	Ref. No.	Title					
EXAMINER: J				DATE CONSIDERED: 04/16/05			
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.							



# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Complete if Known**

Application Number	09/657,336
Filing Date	September 7, 2000
First Named Inventor	Dominique P. BRIDON
Art Unit	1648
Examiner Name	J. Parkin
Attorney Docket Number	500862001500

Sheet	1	of	2
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[illegible][illegible]

**Date Considered**

04/15/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Substitute for form 1419/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete If Known</b>	
		Application Number	09/657,336
		Filing Date	September 7, 2000
		First Named Inventor	Dominique P. BRIDON
		Art Unit	1648
		Examiner Name	J. Parkin
Sheet 2	of 2	Attorney Docket Number	500862001500

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
8		Christophe BOECKLER, "Immunogenicity of New Heterobifunctional Cross-Linking Reagents Used in the Conjugation...", Journal of Immunological Methods, 1996, Vol. 191, pp. 1-10.	
		Carl WILD, "A synthetic Peptide Inhibitor of Human Immunodeficiency Virus Replication: Correlation...", Proc. Natl. Acad. Sci., November 1992, Vol. 89, pp. 10537-10541.	
		Joseph G. SODROSKI, "HIV-1 Entry Inhibitors in the Side Pocket", Cell, October 29, 1999, Vol. 99, pp. 243-246.	
		Aran F. LABRIJN, "Access of Antibody Molecules to the Conserved Coreceptor Binding Site on Glycoprotein gp120..." Journal of Virology, October 2003, Vol. 77, pp. 10557-10565.	
Δ		Nasar M. QURESHI, "Characterization of a Putative Cellular Receptor for HIV-1 Transmembrane Glycoprotein Using Synthetic Peptides" AIDS, 1990, Vol. 4, pp. 553-558.	

Examiner Signature	Date Considered
	04/15/08

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

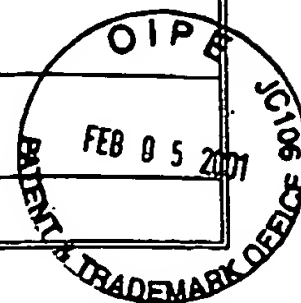
<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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#3

Sheet 1 of 1

Form PTO-1449 (Rev.7-80)	U.S. Department of Commerce Patent & Trademark Office	ATTY. DOCKETT NO. 500862001500	SERIAL NO. 09/657,336
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Bridon et al.	
		FILING DATE 09/07/2000	GROUP



## U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date
Nc	AA	5,612,034	03/1997	Pouletty et al.	424	184.1	
	AB	5,614,487	03/1997	Battersby et al.	514	2	
	AC	6,013,263	01/2000	Barney et al.	424	212.2	
	AD	6,017,536	01/2000	Barney et al.	424	188.1	
	AE	6,103,236	08/2000	Suzawa et al.	424	183.1	
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		Document number	Date	Country	Class	Subclass	Translation	
							Yes	No
Nc	AL	9510302	04/1995	PCT	A61K	39/395		
	AM	9948536	09/1999	PCT	A61K	47/48		
	AN	9924074	05/1999	PCT	A61K	47/48		
	AO	9924075	05/1999	PCT	A61K	47/48		
	AP	0602290	06/1994	Europe	A61K	47/48		

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Nc		Proc. Natl. Acad. Sci., 1996, 93 (5), 2186-2191
	AR	
		Anti Cancer Drugs, 1988, 8, 677-685
	AS	
	AT	

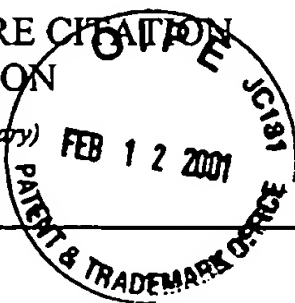
Examiner	Date considered 05/30/01
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Nc: Not considered; fails to comply w/ 37 CFR 1.98(a)(2).

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)



Docket Number 500862001500

Application Number 09/657,336

Applicant

Dominique P. BRIDON, et al.

Filing Date September 7, 2000

Group Art Unit 1646

Mailing Date February 6, 2001

## U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1. *	09/2000	09/623,533	Bridon, et al.			

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
	2.						

## OTHER DOCUMENTS

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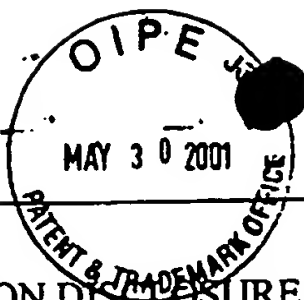
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05/30/04

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#5

<b>Form PTO-1449</b> <b>INFORMATION DISCLOSURE CITATION</b> <b>IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>	Docket Number 500862001500	Application Number 09/657,336
	Applicant D. P. BRIDON et al.	
	Filing Date September 7, 2000	Group Art Unit 1646
	Mailing Date <b>May 24, 2000</b>	

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation	
							YES	NO
NC	1.	6/27/96	96/19495	PCT				
↓	2.	12/21/00	00/76550	PCT			X	
↓	3.	12/21/00	00/76551	PCT			X	

OTHER DOCUMENTS *(including author, title, Date, Pertinent Pages, Etc.)*

Examiner Initials	Ref. No.	Title

EXAMINER:	DATE CONSIDERED: <b>05/30/01</b>
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		First Named Inventor	Dominique P. BRIDON		
		Art Unit	1648		
		Examiner Name	J. Parkin		
Sheet	1	of	1	Attorney Docket Number	500862001500

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J	1	CHEN, Chin-Ho et al. (June 1995) "A Molecular Clasp in the Human Immunodeficiency Virus (HIV) Type 1 TM Protein Determines the Anti-HIV Activity of gp41 Derivatives: Implication for Viral Fusion," Journal of Virology, 69(6): 3771-3777	
J	2	SHUGARS, Diane C. et al. (May 1996) "Biophysical Characterization of Recombinant Proteins Expressing the Leucine Zipper-Like Domain of the Human Immunodeficiency Virus Type 1 Transmembrane Protein gp41," Journal of Virology, 70(5): 2982-2991	

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